

SENSOR ARRAY INDUCED PHASE ANGLE CALCULATION BASED ON MIXED SIGNALS

ABSTRACT

A sensor array employs a parameter to induce a time-varying phase angle φ on an optical signal that comprises a phase generated carrier based on a single frequency. The time-varying phase angle φ is calculated through employment of a plurality of samples obtained approximately at a time t_s , where the plurality of samples are based on a plurality of mixed signals output from a mixer component that employs an input signal based on the optical signal of the sensory array.